

# ResiCem

THE UNIVERSAL ADHESIVE BONDING SYSTEM  
ESPECIALLY FOR ZIRCONIA AND ALUMINA PORCELAINS



# EXCELLENT ADHESION AND ESTHETICS

The percentage of all-ceramic restorations is continually growing. Since it has proved itself clinically over many years, the demand for esthetic dentistry will continue to increase in the future.

Modern framework materials, such as zirconia and alumina, require modified procedures as well as appropriate instruments and tools to work on and integrate all-ceramic restorations. Adhesive bonding in particular facilitates highly esthetic restorations with long-term treatment success.

ResiCem provides you with an adhesive bonding system with outstanding physical properties for all kinds of framework and restoration materials. The strength of the system lies in the combination of each best specific solution to form a coherent, universal all-purpose concept.

## Especially designed for zirconia and alumina ...

The AZ-Primer has been exclusively developed for the modern materials of zirconia and alumina and guarantees outstanding bonding values between the restoration and the hard tooth structure.

The 6-MHPA monomer, specially adapted for high-performance porcelains, anchors itself permanently to the restoration and thus is superior to other bonding systems, especially 'all-in-one' products.



6-MHPA monomer in the AZ-Primer

## ... and universal for all materials!

With the supplementary components that have been adapted to suit each class of material, ResiCem can be expanded to become an all-purpose bonding system.

Use the Porcelain Primer for sintered and pressed porcelains and laboratory-made composite restorations. The tried and trusted ML Primer ensures secure bonding of precious or non-precious alloys.



## Gentle

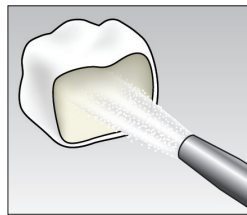
The laborious and demineralising process of etching enamel and dentin is no longer required with ResiCem. After being mixed, the self-conditioning dental primers A and B gently penetrate the microstructures of the enamel and dentin. ResiCem Paste also contains PRG fillers that release and absorb fluoride. They remineralise the natural hard tooth substance and offer additional protection from caries.



## Rational

The use of ResiCem requires only a few steps. The preparative treatment of the restoration depends on the type of material to be bonded.

### Bonding restorations, such as zirconia or alumina



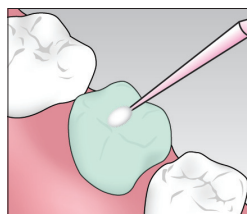
1. Sandblast restoration with 50 – 100 µm alumina sand at approx. 0.2 – 0.3 MPa



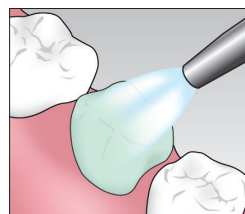
2. Apply AZ-Primer and leave undisturbed for 10 seconds



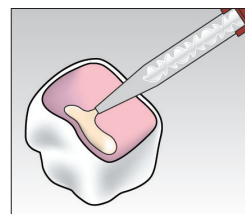
3. Mix equal quantities of Primer A and Primer B



4. Apply and leave undisturbed for 20 seconds



5. Air-dry with soft air stream



6. Apply paste



7. Insert the restoration, remove excess material and light-cure

## Esthetically pleasing colors

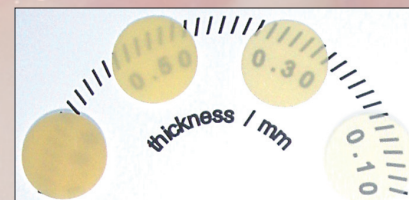
ResiCem paste "Clear" is translucent and facilitates highly esthetic and natural-looking restorations without influencing the color, regardless of the film thicknesses.



ResiCem Clear



Competitor's product A

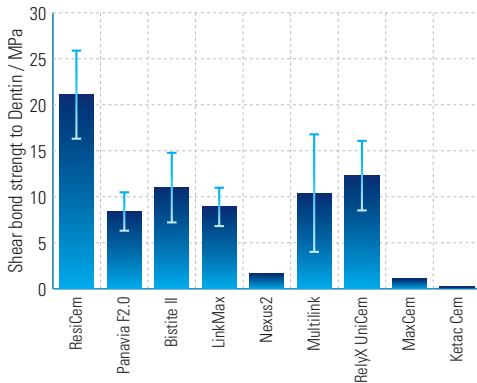


Competitor's product B

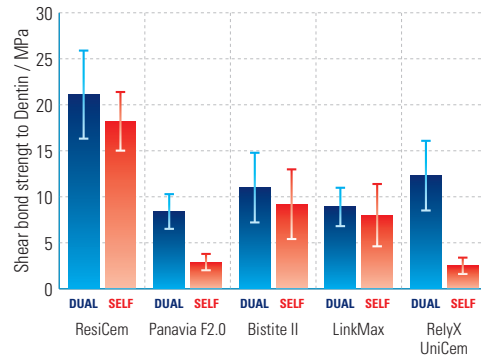
The dentin color "Ivory" and the covering shade "Opaque" will soon be available for individual use and to match the restoration with each particular patient's situation.

## Long-lasting resilience

ResiCem achieves a consistently high bonding strength, irrespective of the type of curing.



Shear bond of luting systems with dentin and zirconia \*



Self-curing compared to light-curing \*

## Compellingly simple

The consistency of the paste ensures simple application. Thanks to its stability, excess material can be easily removed without smearing or sticking.

Even a film strength of only 9  $\mu\text{m}$  guarantees a very good margin fit with maximum bonding strength. The final position of the restoration is easily achieved without causing bite elevation.

The very small syringe tip improves direct application and minimises excess cement. Thanks to the innovative double-push syringe the paste is always mixed precisely and automatically.



Immediately after placing of restoration



2 minutes after placing of restoration

\* Source: internal data from SHOFU Dental

## Order information



### ResiCem Basic Kit

- ResiCem Paste „clear“, auto-mixing, 2x5 ml,
- Primer A 3 ml, Primer B 2.5 ml,
- Microtip fine (1 handle, 50 tips), mixing tips 20 pieces,
- Dispo dish

Best.-Nr. 3220

## Single components



**ResiCem Paste „clear“**, auto-mixing, 5 ml  
10 mixing tips  
PN 3227



**Primer A**, 3 ml  
PN 3227



**Primer B**, 2.5 ml  
PN 3228



**AZ-Primer**, 5 ml  
PN 3232



**Porcelain Primer**, 5 ml  
PN 3234



**M.L. Primer**, 5 ml  
PN 1740



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